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# Planning and Scheduling

## Bill Moore

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22 May 1996

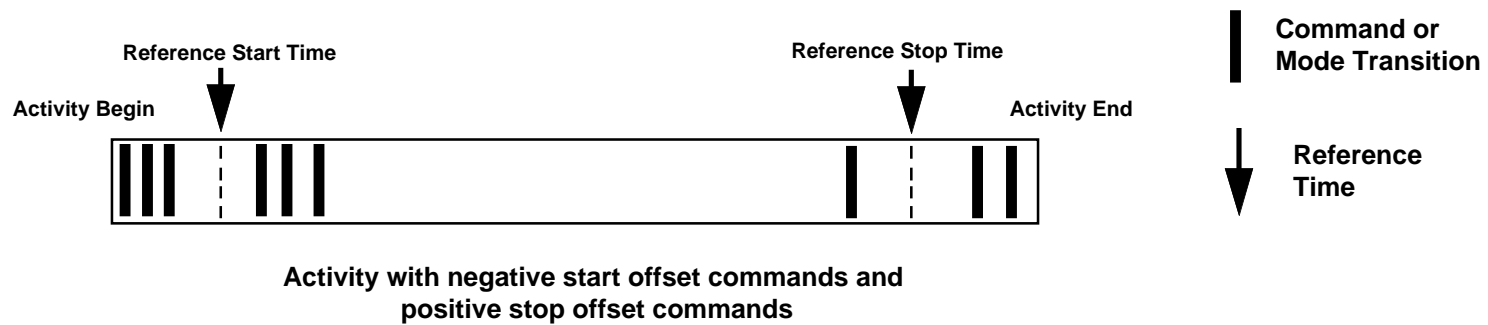
# P&S Deltas Since CDR



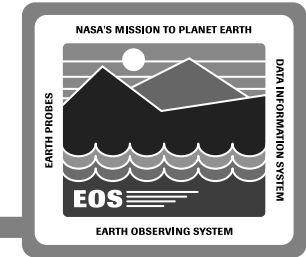
## Activity Design Improvements

- **Added Complex Activity Capability**
  - Allows user to build activities from re-usable simple activities
  - Needed to simplify maintenance and improve flexibility of activity definitions
- **Added multiple mode capability to improve mode modeling capability**
- **Allow mode changes to apply to any resource**
- **Moved power / data rate modeling to modes to simplify Activity Definitions**
- **Added the capability to schedule single commands without creating an activity**
  - Changed I/F with CMS to send commands with activities to solve the problem of scheduling a single command

# Activity Design Changes

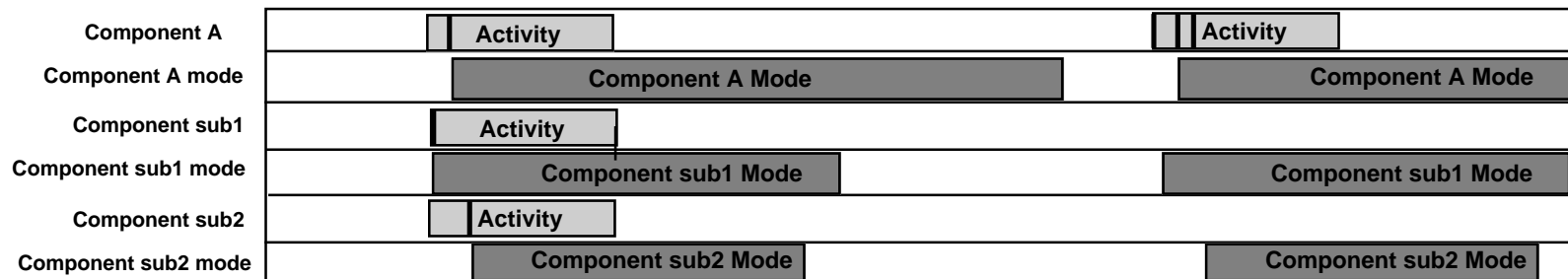


# P&S Deltas Since CDR



## Resource Model Design Improvements

- Changes driven by large increase in number of modeling components (CDR WG)
- Component / Sub-components are now user configurable which allows adding new resources with data base changes
- Power / data volume roll-up to each hierarchy level to allow power assessment at the subsystem level
- Modes are user configurable to allow modeling of resource state
- Abstract resources may be defined for improved visualization or modeling (ex: QL flags as a separate sub-component)



# P&S Deltas Since CDR

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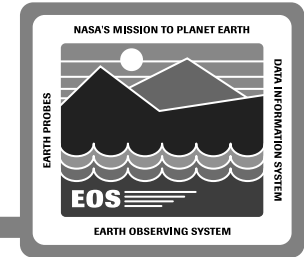


**Timeline has been upgraded to reflect resource model hierarchy levels**

- **Activity / Mode lines are available for every resource**
- **Component / Sub-component**
- **Events may be grouped together for display**

# P&S Deltas Since CDR

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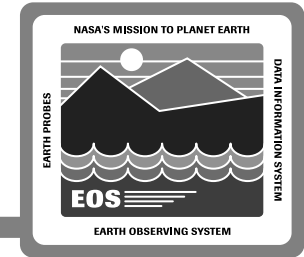
**Plan Tool functions have been redistributed**

- **Plan selection functions have been moved to the timeline for usability**
- **Plan Tool will manage plan permissions only**

**ASTER Interface Ingestor Design Changes**

- **Pseudo activities deleted (not needed)**
- **Ingestor has been upgraded to be generically available for non-ASTER user**
  - **Impacted resource can be named**
  - **Useful for MISR or other future instruments**

# P&S Deltas Since CDR



## Target Visibility Tool Design Improvements

- Design being coordinated with MISR to try to accommodate their needs
- Design allows easy target table update - (FOT procedure)
- Scheduling concept in work
  - Use BAPs to schedule periodic local mode observations or calibrations
  - Use General Scheduler to schedule deviations (add/delete/modify)
  - MISR to extract Local Mode events and plans from the ODB and use to build prioritized list of Local Mode observations to fill in remaining available time
  - Use the ASTER activity file ingester to schedule user prioritized list

# P&S Deltas Since CDR

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## NCC I/F Changes

- Driven by NCC change
- UPS is no longer being used
  - NCC is going to an IP interface
  - UPS was primarily being used as a NASCOM gateway
- Retransmit of NCC schedule to EDOS move from DMS to P&S